

CIAS COVER PLAN

CIAS COVER FABRICATION SPECIFICATIONS

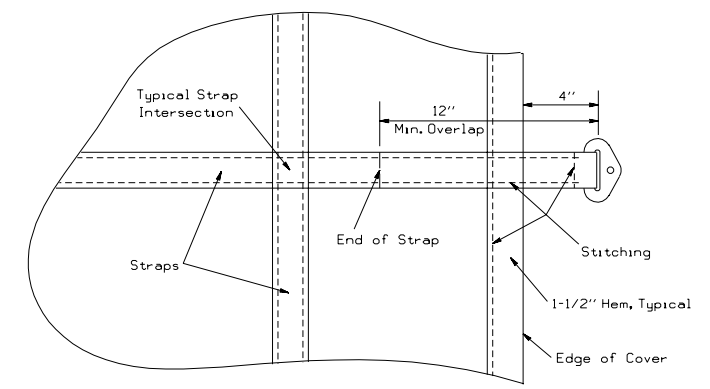
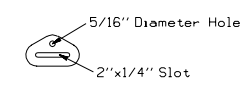
Fabric - The CIAS Cover shall be fabricated from Vinyl-Coated Polyester Fabric conforming to the following minimum requirements: Base Fabric Weight=6.0 oz/sy; Total Fabric Weight=22.0 oz/sy; Tongue Tear (Method 5134)=150 lb; Grab Tensile (Method 5100)=500/400 lb; Strip Tensile (Method 5102)=400/300 lb/in.; Hydrostatic Resistance (Method 5512)=500 psi; Color=Black. A sample of the proposed fabric shall be submitted for approval prior to its use for the CIAS Cover.

Straps - The CIAS Cover Straps shall be placed and sewn to the Cover Fabric in the configuration shown. The Straps shall be fabricated from 2"-wide Black Seat-belt material, with a minimum total tensile strength of 5000 lb. Strap location dimensions shown are to the Strap Centerlines.

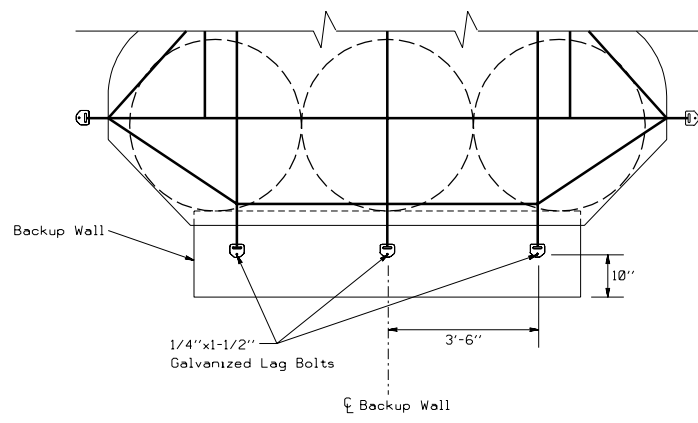
Thread - The Straps shall be securely fastened to the Cover Fabric with black or natural color, size EE Nylon thread.

Stitching - Stitching shall be full length of all Straps and in conformance with the configuration shown below. Vertical stitching shall be used throughout the CIAS Cover with a size of 6 per inch. All loose thread ends shall be securely tied to prevent raveling.

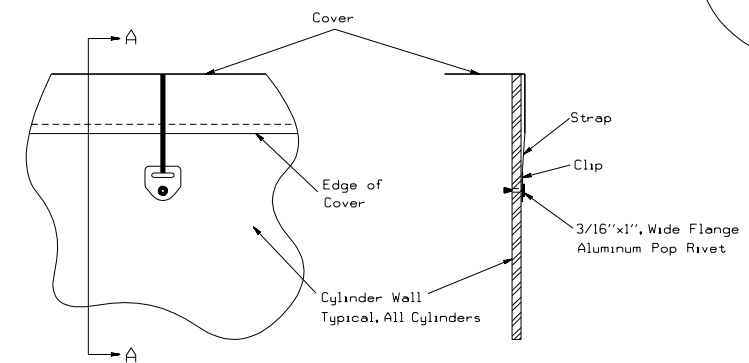
Clips - Chrome-plated steel clips conforming to the configuration shown below shall be fastened to the free end of each Strap. Each Clip shall have a 2" slot and 5/16" hole as shown.



TYPICAL COVER SECTION



COVER ATTACHMENT TO BACKUP WALL



Note: Rivet Holes shall be placed such that the Cover is taut throughout the CIAS.

SECTION A - A

COVER ATTACHMENT TO CYLINDERS

<div> <div> <div>REV</div> <div>DATE</div> <div>DESCRIPTION</div> <div>SHEET NO.</div> </div> <div> <div>NOT TO SCALE</div> </div> </div>				<div> <div>DESIGNER:</div> <div>John F. Corney, III</div> <div>7/87</div> </div> <div> <div>DRAFTER:</div> <div>Eric C. Lohrey</div> <div>1/91</div> </div> <div> <div>CHECKED BY:</div> <div>Michael M. Kasinkas</div> <div>1/91</div> </div> <div> <div>DATE CHECKED:</div> </div>		<div> <div>STATE OF CONNECTICUT</div> <div>DEPARTMENT OF TRANSPORTATION</div> </div> <div> <div>ENGINEER:</div> <div>OFFICE OF ENGINEERING</div> </div> <div> <div>APPROVED BY:</div> </div> <div> <div>DATE:</div> </div>		<div> <div>PROJECT TITLE:</div> </div> <div> <div>CADD</div> <div>PLOTTED</div> </div>		<div> <div>TOWN:</div> </div> <div> <div>DRAWING TITLE:</div> <div>CONNECTICUT IMPACT ATTENUATION SYSTEM (CIAS)</div> <div>COVER FABRICATION AND ATTACHMENT DETAILS</div> </div>		<div> <div>PROJECT NO.:</div> </div> <div> <div>DRAWING NO.:</div> <div>MDS-</div> </div> <div> <div>SHEET NO.:</div> </div>
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